

1 **(February 5, 2001)**

2 **Traffic Safety Drums**

3 Traffic safety drums shall be manufactured specifically for traffic control
4 purposes, and shall be fabricated from low density polyethylene that
5 maintains its integrity upon impact.

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7 The drums shall be of the following general specifications:

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9 Overall Height	36 inches minimum
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11 Overall Width	18 inch minimum in the direction(s)
12	of traffic flow. If the front to
13	back dimension is less than 18
14	inches, only those drums
15	specifically approved by the
16	Engineer will be permitted.
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18 Shape	Rectangular, hexagonal, circular, or
19	flat-sided semi-circular.
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21 Color	The base color of the drum shall be
22	fade resistant safety orange.
23	
24 Reflective Stripes	The exterior vertical surface shall
25	have at least two orange and two
26	white circumferential stripes. Each
27	stripe shall be 4 to 6 inches wide
28	and shall be reflectorized. If there
29	are nonreflectorized spaces between
30	the horizontal orange and white
31	stripes they shall be no more than 2
32	inches wide. Reflective stripes
33	shall be 3-M flexible 3810,
34	Reflexite PC 1000, 3-M Diamond
35	Grade, or Avery Dennison W-6100
36	

37 The traffic safety drums shall be designed to accommodate at least one
38 portable light unit. The method of attachment shall ensure that the light
39 does not separate from the drum upon impact, and shall meet the
40 requirements of NCHRP 350 as certified by the manufacturer of the device.
41 The Contractor shall obtain the manufacturer's certification documentation
42 for all such devices purchased and shall keep the documentation available
43 for inspection throughout the life of the project.

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45 When recommended by the manufacturer, drums shall be treated to ensure
46 proper adhesion of the reflective sheeting.

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48 If approved by the Engineer, used drums with new reflective sheeting may
49 be used, provided all drums used on the project are of essentially the same
50 configuration.

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1 The drums shall be designed to resist overturning by means of a weighted
2 lower unit that will separate from the drum when impacted by a vehicle.
3 The lower unit shall be a maximum of 4 inches high and shall be designed
4 to completely enclose the ballast. The lower unit, with ballast, shall have a
5 minimum weight of 10 pounds and maximum weight of 50 pounds. The
6 base shall be designed to resist movement or creeping from wind gusts or
7 other external forces. The drums shall be designed to resist rolling if
8 overturned.
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10 Drums shall be regularly maintained to ensure that they are clean and that
11 the drum and reflective material are in good condition. If the Engineer
12 determines that a drum has been damaged beyond use, or provides
13 inadequate reflectivity, a new drum shall be furnished.
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15 When no longer required, as determined by the Engineer, the drums shall
16 remain the property of the Contractor and shall be removed from the
17 project.